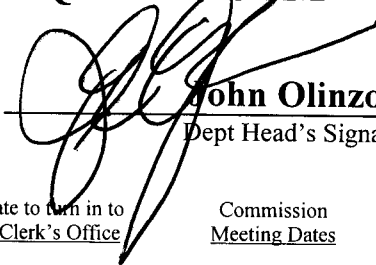


Item No. 16-F**TOWN OF LAUDERDALE-BY-THE-SEA****AGENDA ITEM REQUEST FORM****ADMINISTRATION**

Department Submitting Request


John Olinzock
Dept Head's Signature

<u>Commission Meeting Dates</u>	<u>Last date to turn in to Town Clerk's Office</u>	<u>Commission Meeting Dates</u>	<u>Last date to turn in to Town Clerk's Office</u>	<u>Commission Meeting Dates</u>	<u>Last date to turn in to Town Clerk's Office</u>
<input type="checkbox"/> Nov 10, 2009	Oct. 30 (5:00 p.m.)	<input type="checkbox"/> Jan 26, 2010	Jan 15 (5:00 p.m.)	<input type="checkbox"/> March 23, 2010	Mar 12 (5:00 p.m.)
<input type="checkbox"/> Dec 1, 2009	Nov 20 (5:00 p.m.)	<input type="checkbox"/> Feb 9, 2010	Jan 29 (5:00 p.m.)	<input type="checkbox"/> April 13, 2010	April 2 (5:00p.m.)
<input type="checkbox"/> Dec 8, 2009	Nov 25 (5:00 p.m.)	<input type="checkbox"/> Feb 23, 2010	Feb 12 (5:00 p.m.)	<input type="checkbox"/> April 27, 2010	April 16 (5:00p.m.)
<input checked="" type="checkbox"/> Jan 12, 2010	Dec 31 (5:00 p.m.)	<input type="checkbox"/> Mar 9, 2010	Feb 26 (5:00p.m.)	<input type="checkbox"/> May 11, 2010	April 30 (5:00p.m.)

NATURE OF AGENDA ITEM


- | | | |
|---|---|--|
| <input type="checkbox"/> Presentation | <input type="checkbox"/> Resolution | <input checked="" type="checkbox"/> New Business |
| <input type="checkbox"/> Report | <input type="checkbox"/> Ordinance | <input type="checkbox"/> Manager's Report |
| <input type="checkbox"/> Consent Agenda | <input type="checkbox"/> Public Hearing | <input type="checkbox"/> Attorney's Report |
| <input type="checkbox"/> Bids | <input type="checkbox"/> Old Business | <input type="checkbox"/> Other |

EXPLANATION: Discussion and/or Action by Town Commission to Provide for Pledge of Financial Contributions Towards Construction of the Beach Renourishment Art in Public Places Project.

STAFF RECOMMENDATION: N/A**BOARD/COMMITTEE RECOMMENDATION: N/A****FISCAL IMPACT AND APPROPRIATION OF FUNDS: TBD**

- | | |
|---|--|
| <input type="checkbox"/> Amount \$ _____ | <input type="checkbox"/> Acct # _____ |
| <input type="checkbox"/> Transfer of funds required | <input type="checkbox"/> From Acct # _____ |
| <input type="checkbox"/> Bid | <input type="checkbox"/> Grant <input type="checkbox"/> Amount represents matching funds |

Town Attorney review required

☐ Yes ☒ NoTown Manager's Initials: 

John Olinzock


From: John Olinzock **Sent:** Wed 09-Dec-09 1:32 PM
To: Higgins, Stephen
Cc: Jurado, Jennifer; Myers, Eric; Chambers, Cynthia; Kahn, Ken; Garrett, Claire
Subject: Town of Lauderdale By-The-Sea - Beach Renourishment Art in Public Places
Attachments:

Steve,


Consider this a letter of interest from the Town to participate in the Beach Nourishment Public Art project. Please note that any pledges of financial contributions towards construction of the project must be approved by the Town Commission. In this regard, this item will be placed on the 12 January 2010 Town Commission meeting for Commission consideration and action.

Thank you for contacting the Town, and let me know if you need additional information.

John E. Olinzock
Assistant Town Manager
Town of Lauderdale By-The-Sea
4501 Ocean Drive
Lauderdale By-The-Sea, FL 33308-3610
954-776-0576

 Attachments can contain viruses that may harm your computer. Attachments may not display correctly.

John Olinzock

From: Higgins, Stephen [SHIGGINS@broward.org] **Sent:** Tue 08-Dec-09 5:00 PM
To: 'Donnelly, Colin'; John Olinzock; 'Albert Carbon'
Cc: Jurado, Jennifer; Myers, Eric; Chambers, Cynthia; Kahn, Ken; Garrett, Claire
Subject: Beach Nourishment Art in Public Places
Attachments:  [Art on beach - pelican project.pdf\(6MB\)](#)

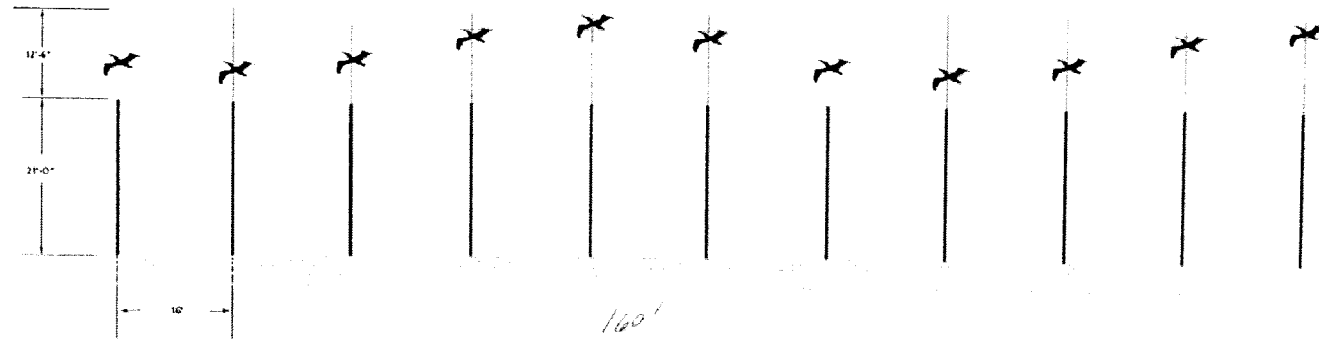
Colin, John, and Albert: The County has chosen a Public Art project to implement in association with the beach nourishment program. Since your municipalities have been or are proposed to be participants in the beach nourishment program, you have been deemed eligible for participation in the Beach Nourishment Public Art project.

Attached is a summary of the selected art project. We are prepared to select a location for installation, and are notifying the eligible municipalities to determine their respective levels of interest.

The Cities of Pompano Beach, Hollywood, and Hallandale Beach have been notified and to date Pompano Beach and Hollywood have submitted letters of interest, including preliminary pledges of financial contributions towards construction the project. By this email, we would like to solicit the extent of your municipality's interest in being the recipient of the art.

Please contact Mr. Ken Kahn (954-357-7532, kkahn@broward.org) , the County's Public Art Administrator, if you have further questions regarding the art project. Please contact me if you have questions regarding the beach nourishment program. We would like to expedite the site selection process, so a timely response would be appreciated. Thank you.

Stephen Higgins, Beach Erosion Administrator
Broward County Environmental Protection and Growth Management Department
Natural Resources Planning and Management Division
1 North University Drive, Suite 301
Plantation, FL 33324
Phone: 954-519-1265
Fax: 954-519-1496
email: shiggins@broward.org



Broward County Beach Reclamation Project

PELICAN FILE

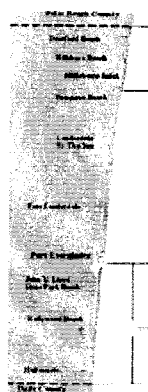
Peter Richards

Project title: PELICAN FILE
(working title)

Context:

With funding from the Environmental Protection Department, Broward County Cultural Division's Public Art & Design Programs has asked for proposals for public artworks that celebrate its coastal landscape. The mission of the Environmental Protection Department is to sustain and enhance the quality of life in Broward County by promoting effective and efficient regional uses of environmental resources through environmental planning, management, and regulation. The Beach Renourishment Program within this agency provides for the replacement of sand on eroded beaches to restore shoreline sand volume to normal levels. Beach restoration is important to protect

upland private and public property from damage or destruction by storm waves, and to maintain sea turtle nesting habitat. In addition, tremendous economic benefits are realized by Broward County, the state of Florida, and the nation due to the dollars generated by tourists visiting the beaches.



Artists have been selected to propose artworks that celebrate the uniqueness of these coastal areas, address coastal ecological subjects and the kind of change that occurs in these regions. All types of artwork are to be considered including, but not limited to, ones that relate to natural elements of the coastal environment such as sun, sand, wind or water.

In looking for a fundamental image or object that comprehensively responds to the project directives, many “icons” were considered. One that seems to tie the area to its ecological and physical systems while also serving as a poetic cultural icon is the *brown pelican*, a common sight along the beaches of Broward County and common along the eastern seaboard and gulf coasts. The brown pelican (*Pelicanus occidentalis*) whose ancestral fossils date back 25 million years, is a paradox: the grace and beauty displayed as these creatures fly in formation along the wave tops is nature at its finest. These enigmatic creatures are masters of detecting and utilizing invisible air currents to glide effortlessly, ever on the look out for sources of food.



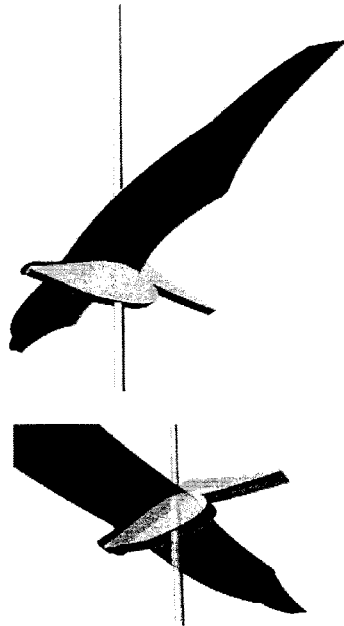
Broward County Wind Diagram
Source: Anthony Abbate, FAU School of Architecture



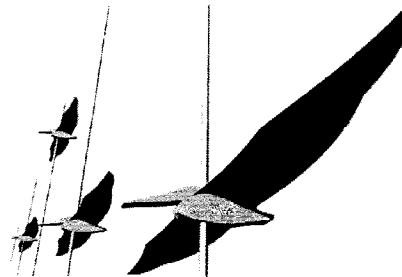
At the same time, their individual physical character can be described as ungainly at best; sharing some visual similarities with the primeval flying reptile, the pterodactyl. The pelican has survived intact since the Miocene era, adapting to ever changing conditions for millions of years, yet still displaying what best can be described as a prehistoric appearance. They are ancient survivors, whose behavior, beauty and acknowledgment, draw our attention and affection.

In Broward County, the word pelican identifies a myriad of places and features, from hotels, roads and streets, to restaurants, developments and resorts. Clearly, people in Broward County respond positively to this word and to this symbol. How can this iconic image be elevated to poetically represent Broward County's connections with the past, its' peoples connections with the physical dynamics of the area and to perhaps subtly express the growing need to be responsible stewards of the places where they live?

The concept for this project is to celebrate these "perfect flying machines" by creating up to 11 pelican facsimiles whose aerodynamic design allows them to be lifted by the wind. This celebration extends to the medium these magnificent birds employ, the prevailing breezes and winds that are so important in defining the living conditions of this part of Florida. Mounted on 20' flagpoles, each bird will slide up and down thinner vertical support rods in concert with prevailing winds. Seen from a distance, the poles and rods will be somewhat indistinct from the colors of the sky so only the dark profile of the birds themselves will be seen as they glide as a formation. Moving in concert as the breezes freshen, diminish, or alter direction, the birds will make visible the invisible fluidic nature of the ever-changing behavior of the wind. The smooth motion of a pelican flock flying over disguises the complexity of subtle wing adjustments necessary to navigate the variable winds characteristic of maritime environments. The proposed *Pelican File* will be designed to reveal this surprising diversity of wind speeds in a given transect of shoreline.

**Technical Description:**

Using the same technology employed in aeronautics, boat and surfboard manufacturing, each bird will have a foam core and a carbon fiber skin, creating an extremely strong and durable object. Its bearings will be delrin and the rod that guides and contains its' vertical movement will be 5/8" d 316 stainless steel pipe or rod. The poles themselves will be fabricated from Schedule 80 4" ID steel pipe and coated with a Tnemec paint system. Common mounting techniques will be used to bolt the poles to concrete footings. Much development work has been done with this concept through a project I have been in charge of at the Exploratorium, a science museum in San Francisco. One of the most successful exhibits of this effort is "Lift", a series of 200 airfoils mounted on vertical cables, which respond in a similar manner as the proposed *Pelican File*.

**Construction Plan:**

Conceptual Development - complete
Site Location - work with the Cultural Division of Broward County to secure a site.

Prototype/Tech Devel - work with Exploratorium consultant to design, test and trouble shoot bird model.

Engineering - work in consultation with engineer through all phases including footing design.

Design Development - incorporate Technical Development work into overall design.

Fabrication/Installation Drawings - complete final drawings - review by all consultants

Permitting - work with Cultural Division in identifying and obtaining appropriate permits.

Fabrication - identify and contract with appropriate fabricators.

Staging - identify appropriate place to assemble all components needed for installation.

Construction/Installation

Final review/transfer/paperwork

Budget:	Item	Number	Cost per unit	Total Cost
Prototype/Tech Devp.	Tech. Consultant		10000	10000
Fabrication	Masts	11	2000	22000
	Birds	11	1000	11000
Installation	Shipping		5000	5000
	Footings	11	1250	13750
	Forklift rental	3 days	300	900
	Staging area			
	Install	3 days	1500	4500
	Site clean up	1 day	250	250
Travel	Airfares	6	400	2400
	Per Diem*	15	200	1500
	Car Rental	15	55	825
Engineering	Mechanical			2500
	Civil			1175
Artists Fee				20000
Project Admin	Hours	100	50	5000
Insurance	Liability	Artist cost		
Contingency			0.1	12000
Total				112800
Sales Tax			0.06	7200
Total				120,000

*Includes meals and hotel - average of high and low seasons @ GSA Gov rate

Project Team:

Artist: Peter Richards

Technical Consultant/Collaborator:

Maz Kattuah, Exploratorium,

Exhibit Developer, San Francisco, CA

Design Engineer: Gil Lund,

Lund Engineering Inc., Renton, WA

Civil Engineer: Richard Ballinger,

Seattle, WA

Fabrication/Installation: Fabrication

Specialties, Seattle, WA

Conservation-Operational Plan

Pelican Line will be fabricated with materials and techniques known and proven to perform well in salt-air conditions. Technical Consultant/collaborator, Maz Kattuah designed and completed the previously mentioned Exploratorium exhibit, "Lift" for a bay shore environment in San Francisco. He will design and prototype a pelican model using design specifications from Gil Lund of Lund Engineering. Lund Engineering has been involved in the aerospace and marine industries for many years and is currently working on the new Boeing 787 Dreamliner, the first passenger airliner built almost entirely with composite materials. Lund will consult on the development of a unit-constructed carbon-fiber pelican with an appropriate delrin bearing system, which will perform maintenance free for many years. The mast for each pelican will be painted with a Tnemec paint system, one known for its great performance in salt-air environments.

Project Timeline:

Conceptual Development: complete

Contract negotiation:

October 2009

Site Selection:

November – December 2009

Prototype/Technical Development:

November, April 2010

Design Development:

November – May 2010

Fabrication/Installation Drawings:

May 2010

Permitting: May – August 2010

Fabrication: May – August 2010

Shipping: September 2010

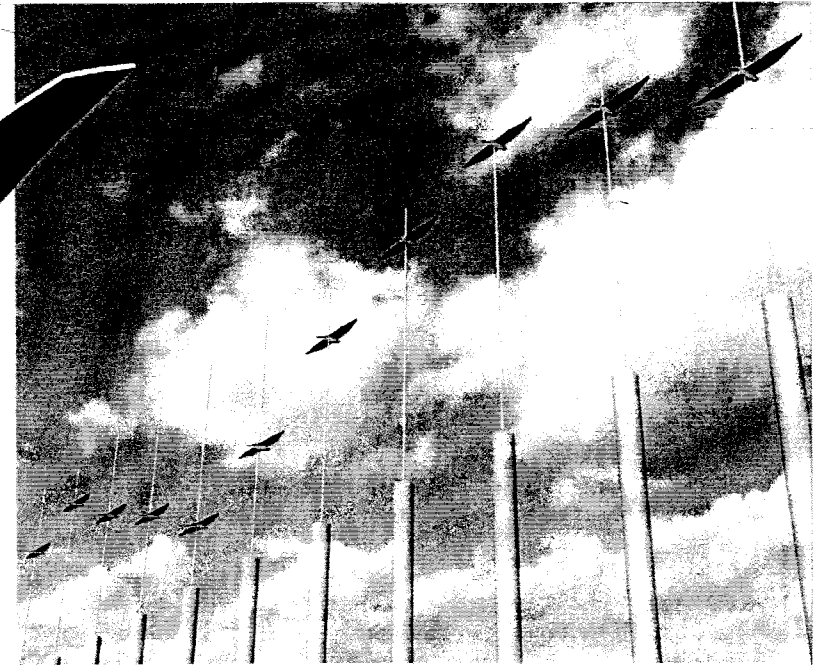
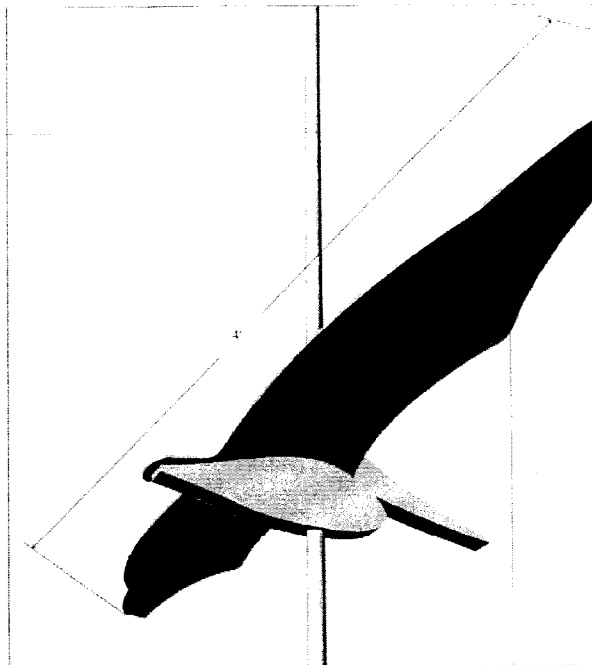
Staging: September 2010

Installation:

October – November 2010

Final review/transfer/paperwork:

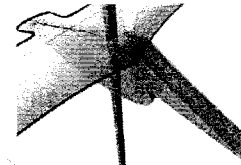
December 2010



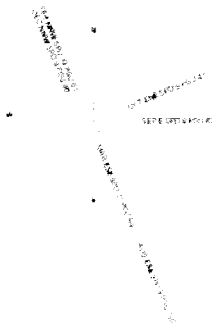
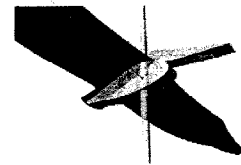
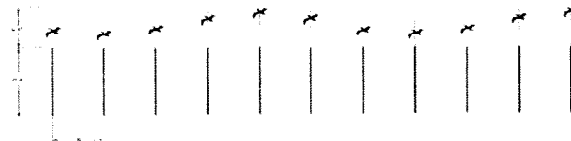
Wing and body are integrally constructed of carbon fibre



Pelican artwork glide with deflex sleeves
on 5/8" stainless steel pipe



Oriented to respond to the prevailing winds of southern Florida, PELICAN FILE is comprised of eleven airfoils based on the distinct shape of the brown pelican. Arranged in a series these graceful airfoils graph the often surprising diversity of wind speeds in a given transect of shoreline, raising and falling according to the wind.



Broward County Wind Data
Source: Anthony A. Deane, U.S. School of Architecture

Broward County Beach Reclamation Project

PELICAN FILE

Peter Richards

V.8.21.09